

“The Water We Drink”

Consumer Confidence Rule (CCR)

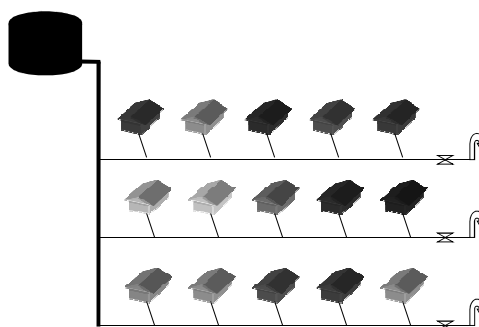
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CCR Program Manager
Engineering Services Section

CCR Requirement

- Code of Federal Regulations – Title 40 Part 141 Subpart O
- Yearly report including information about water system activities for the previous 5 years
 - Water system has to be active for one full year before the first CCR report is due
 - Certification required from the water system to the State of proof of publication

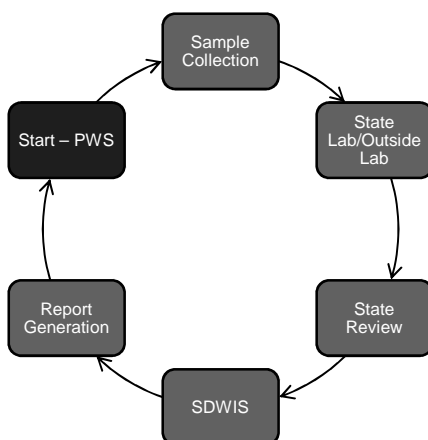
Community Water System

- 15 service connection (Year round residents)
- Serves at least 25 people
- Consumer Confidence Reports are required for **all** community water systems
 - PWS ID - LA1137054



State Database

- Safe Drinking Water Information System (SDWIS)
 - State reports to Federal
- Tracking chemical compliance
 - Schedules
 - Chemical Samples

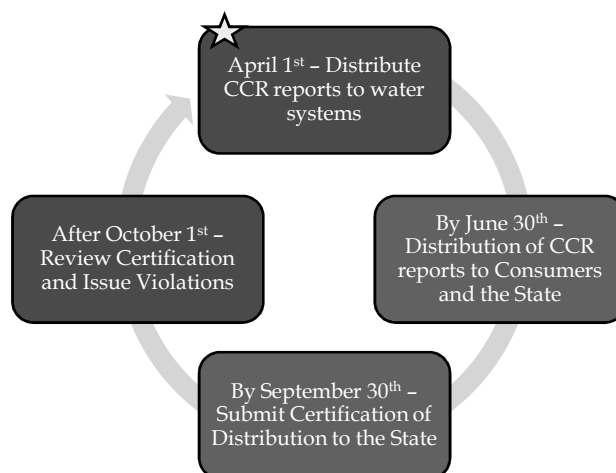


Sampling and Records

- Total Coliform Rule
- Surface Water treatment Rule
- Phase II/V Rule
- Lead and Copper Rule
- Disinfectants/Disinfection By Products Rule
- Radionuclides Rule
- Ground Water Rule
- Microbiological and Turbidity must be kept for no less than 5 years
- Chemical analyses shall be kept for no less than 10 years



Timeline



Report Content

- Source water information
- Definitions
- Violations received by the water system
- Analyte Results collected for compliance
- Actions taken by the water system
- Health concerns to consumers

CCR Report

The Water We Drink

Louisiana Water System
Public Water Supply ID: LA9999999

We are pleased to present to you the Annual Water Quality Report for the year 2007. This report is designed to inform you about the quality of your water and services we deliver to you every day (Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien). Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

Our water source(s) are listed below:

Source Name	Source Water Type	Source Water Body Name
INTAKE 001	Surface Water	MISSISSIPPI RIVER

Definitions

- To help the customer better understand the report
 - Non-Detects (ND) – laboratory analysis indicates that the constituent is not present
 - Treatment technique (TT) – a treatment technique is a required process intended to reduce the level of a contaminant in drinking water
- Definitions can be removed or added based on report content

Violations

During the period covered by this report we had below noted violations of drinking water regulations.

Type	Category	Analyte	Compliance Period
MONITORING, ROUTINE (DBP), MAJOR	Failure to Monitor	TOT_TTHM/HAA5	1/1/2007 - 3/31/2007
MONITORING, ROUTINE (DBP), MAJOR	Failure to Monitor	TOT_TTHM/HAA5	4/1/2007 - 6/30/2007

- List violation for the calendar year
- Add after action requirements – water system response to violation
- Valid violations are listed even if all post violation activities have been completed
 - Public Notification
 - Monitoring

Mandatory language and can not be revised

Microbiological

- Samples collected monthly by the State, or if elected, by the water system personnel
- Report the month with the highest number of positive samples
- Larger water systems report the month with the highest percentage of positive samples
- If no positive samples were detected for the calendar year, the report will state that no detections results were found

Microbiological Samples

- If the water system collects < 40

Our water system tested a minimum of 5 samples per month monthly sample(s) in accordance with the Total Coliform Rule for microbiological contaminants. During the monitoring period covered by this report, we had the following noted detections for microbiological contaminants:

Microbiological	Result	MCL	MCLG	Typical Source
COLIFORM (TCR)	In the month of May, 1 sample(s) returned as positive	MCL: Systems that Collect Less Than 40 Samples per Month - No more than 1 positive monthly sample	0	Naturally present in the environment

- If the water system collects ≥ 40

Our water system tested a minimum of 40 samples per month monthly sample(s) in accordance with the Total Coliform Rule for microbiological contaminants. During the monitoring period covered by this report, we had the following noted detections for microbiological contaminants:

Microbiological	Result	MCL	MCLG	Typical Source
COLIFORM (TCR)	In the month of August, 46.5% of samples returned as positive	MCL: Systems that Collect 40 or More Samples per Month - No more than .5% positive monthly samples;	0	Naturally present in the environment

National Primary Regulations

- Inorganic Chemicals
 - ≈ 20 Chemicals
 - Arsenic, Barium, *etc.*
- Organic Chemicals
 - ≈ 50 Chemicals
 - Atrazine, Benzene
- Radionuclides
 - Alpha and Beta particles
- Microorganisms
 - *Cryptosporidium*, *Giardia lamblia*, *etc.*
- Disinfectants
 - Chloramines, Chlorine, Chlorine Dioxide
- Disinfection Byproducts
 - Bromate, Chlorite, HAA5, TTHM

Full list – <http://water.epa.gov/drink/contaminants/index.cfm>

Rules and Regulations

- Chemical data collected from both treated and raw water

Total Coliform Rule

Surface Water Treatment Rule

Phase II/V Rule (Chemicals)

Lead and Copper Rule

Radionuclides Rule

Ground Water Rule

Disinfectants/Disinfection By-Products Rule

- Data included from the last five years, most recent results are included
- Recollects have been an issue with the report generator
- Including Secondary Drinking Water Regulations are recommended

Ethylene dibromide

- Maximum contaminant level
 - Traditional – 0.00005 ppm
 - CCR Units – 50 ppt
- Maximum Contaminant level goal
 - 0 ppt
- Major sources in drinking water
 - Discharge from petroleum refineries
- Health effects language

Contaminant Table

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
ARSENIC	7/25/2005	1	1	ppb	10		Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
ETHYLENE DIBROMIDE	7/25/2005	384	384	ppt	50	0	Discharge from petroleum refineries
FLUORIDE	7/25/2005	1.6	0.1 - 1.6	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
SELENIUM	7/25/2005	10	10	ppb	50	50	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
TURBIDITY	7/25/2005	0.28	0.13 - 0.28	NTU	1		Soil runoff

Lead and Copper	Date	99 TH Percentile	95 TH Percentile	Unit	AL	Sites Over AL	Typical Source
COPPER, FREE	2004	0.3	0.3	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2004	6	8	ppb	15	0	Corrosion of household plumbing systems; Erosion of natural deposits

Mandatory language and can not be revised

Health Effects Language

- Appendix A to Subpart O of Part 141
- Ethylene dibromide
 - Some people who drink water containing ethylene dibromide in excess of the MCL over many years could experience problems with their liver, stomach, reproductive system, or kidneys, and may have an increased risk of getting cancer
- Mandatory language and can not be revised

Health Effects Language

+Environmental Protection Agency Required Health Effects Language+

Additional Required Health Effects Language:

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

Some people who drink water containing ethylene dibromide in excess of the MCL over many years could experience problems with their liver, stomach, reproductive system, or kidneys, and may have an increased risk of getting cancer.

There are no additional required health effects violation notices.

Closing Statement

- Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. Please call our office if you have questions.
- We at the ABC water system work around the clock to provide top quality drinking water to every tap. We ask that all our customers help us protect and conserve our water sources, which are the heart of our community, our way of life, and our children's future.

Report Inserts

- Turbidity for Surface Water Systems – Month with the highest percentage of values above the maximum contaminant level
- IDSE Report Results – For large systems who have completed their Stage 2 D/DBP sampling
- Ground water rule data
 - Extra monitoring
 - Significant Deficiencies/Observations

Additions to the CCR

- Addition of non-compliance samples
 - Included in a separate contaminant table from the compliance contaminant table
- Addition of response paragraphs
- Rephrasing of paragraphs submitted by the State is allowed. Must not change the overall meaning of the document or its' purpose

Basic Requirements

- Receive base report from the State
- Review report for content
- Submit finalized report along with certification of distribution to the State



Distribution



CCRs must be distributed with “**good-faith effort**” based on population served by the PWS as follows:

Population	Required Action
≤500	Notify customers of report availability for review by hand, mail, or posting in public places
501-9,999	Must mail or otherwise directly deliver one copy of the report to every customer or publish the report in one or more local newspapers serving the area
10,000 – 99,999	Must mail or otherwise directly deliver one copy of the report to every customer
≥100,000	Must mail or otherwise directly deliver one copy of the report to every customer, and post on a publicly-accessible web site.

Note: Distribution requirements are based on the number of consumers, not the number of service connections

Certificate of Distribution

- Required to complete the CCR evaluation

Certificate of CCR Distribution

The below noted community public water system confirms that its 2010 Consumer Confidence Report has been prepared and distributed to its customers in accordance with the appropriate distribution method based on population served. Furthermore, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the primacy agency as well as fulfilling all CCR requirements of CFR Title 40, Part 141. **Certified by:**

Signature: _____

Printed Name/Job Title: _____ / _____

Date of CCR Distribution: ____/____/____

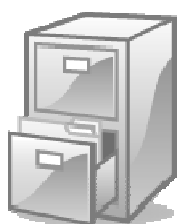
CCR Distribution Method (s): _____

Internet address (if applicable): _____

Submit the certification by September 30th of every year

CCR Recordkeeping

- CCR reports shall be kept for a minimum of three years by the water system



- Must be made available upon request by either the State or consumers served by the system

Engineering Services Website

← Back to Publications

Public Water Consumer Confidence Reports (by Parish)

Friday, April 23, 2010

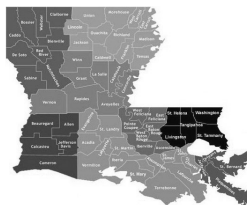
The Consumer Confidence Reports (CCRs) shown on this site are base documents only and are not finished documents. Water system personnel should review the CCR for correctness and update accordingly.

- Consumer Confidence Reports 2009
- Consumer Confidence Reports 2008
- Consumer Confidence Reports 2007
- Consumer Confidence Reports 2006
- Consumer Confidence Reports 2005

→ 2009 Consumer Confidence Reports

The CCRs shown on this site are base documents only and are not finished documents. Click on the parish for reports included for each. Water system personnel should review the CCR for correctness and update accordingly. The contact information was not included in the base CCRs. The water system will have to add this to the document.

To Select a Parish Click on the Map



Website:
<http://www.dhh.louisiana.gov/offices/publications.asp?ID=204&Detail=3063>

Q & A

- Where do you find the Consumer Confidence Rule?
Title 40, Part 141, Subpart O of the CFR
- The water system is required to publish their CCR by what date? 6/30/2009
- The most recent chemical data from the past 5 years should be included in the contaminants table
- The certificate of distribution is due to the state by what date? 9/30/2009

Q & A continued

- Can you make changes or rephrase some paragraphs in your annual report? Yes
- Can you change or rephrase health affect language required for the CCR report? No
- Do you have to include Secondary Drinking Water Regulations? No
- How long do you have to keep the CCR report on file?
3 years

Questions



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